

AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions and listing of claims in the application:

Listing of Claims:

1-13 (canceled).

14 (currently amended). A driving circuit that drives a display panel having an electrode, comprising:

a first switching element that supplies a charge from a recovering capacitor to the electrode of the display panel;

an interconnector connected to said first switching element through a first one-way conductive element;

a second switching element that recovers the charge from the electrode of the display panel to said recovering capacitor;

a second one-way conductive element provided between said second switching element and said interconnector; and

a frequency reducer connected in parallel with said first switching element, that is operable to reduce a resonance frequency of an LC resonance resulting from a parasitic capacitance of said first switching element, and an inductance component of said interconnector, wherein the charge is supplied to the electrode of the display panel from said recovering capacitor through said first switching element and said interconnector,

wherein said frequency reducer has a capacitance of approximately five to ten times as much as that of the parasitic capacitance of said first switching element.

15 (currently amended). A driving circuit that drives a display panel having an electrode, comprising:

a first switching element that supplies a charge from a recovering capacitor to the electrode of the display panel;

an interconnector connected to said first switching element through a first one-way conductive element;

a second switching element that recovers the charge from the electrode of the display panel to said recovering capacitor;

a second one-way conductive element provided between said second switching element and said interconnector; and

a frequency reducer connected in parallel with said second switching element that is operable to reduce a resonance frequency of an LC resonance resulting from a parasitic capacitance of said second switching element and an inductance component of said interconnector, wherein the charge is recovered to said recovering capacitor from the electrode of the display panel through said second switching element and said interconnector, wherein said frequency reducer has a capacitance of approximately five to ten times as much as that of the parasitic capacitance of said second switching element.

16 (currently amended). A driving circuit that drives a display panel having an electrode, comprising:

a first switching element that supplies a charge from a recovering capacitor to the electrode of the display panel;

an interconnector connected to said first switching element through a first one-way conductive element;

a second switching element that recovers the charge from the electrode of the display panel to said recovering capacitor;

a second one-way conductive element provided between said second switching element and said interconnector;

a first frequency reducer connected in parallel with said first switching element that is operable to reduce a resonance frequency of an LC resonance resulting from a parasitic capacitance of said first switching element and an inductance component of said interconnector, wherein said first frequency reducer has a capacitance of approximately five to ten times as much as that of the parasitic capacitance of said first switching element; and

a second frequency reducer connected in parallel with said second switching element that is operable to reduce a resonance frequency of an LC resonance resulting from a parasitic capacitance of said second switching element and an inductance component of said interconnector, wherein the charge is supplied to the electrode of the display panel from said recovering capacitor through said first switching element and said interconnector, and the charge is recovered to said recovering capacitor from the

electrode of the display panel through said second switching element and said interconnector, wherein said second frequency reducer has a capacitance of approximately five to ten times as much as that of the parasitic capacitance of said second switching element.

17 (currently amended). A driving circuit that drives a display panel having an electrode, comprising:

a first switching element that supplies a charge from a recovering capacitor to the electrode of the display panel;

an interconnector connected to said first switching element through a first one-way conductive element;

a second switching element that recovers the charge from the electrode of the display panel to said recovering capacitor;

a second one-way conductive element provided between said second switching element and said interconnector; and

a capacitor connected in parallel with said first switching element that is operable to reduce a resonance frequency of an LC resonance resulting from a parasitic capacitance of said first switching element and an inductance component of said interconnector, wherein the charge is supplied to the electrode of the display panel from said recovering capacitor through said first switching element and said interconnector, wherein said capacitor has a capacitance of approximately five to ten times as much as that of the parasitic capacitance of said first switching element.

18 (currently amended). A driving circuit that drives a display panel having an electrode, comprising:

a first switching element that supplies a charge from a recovering capacitor to the electrode of the display panel;

an interconnector connected to said first switching element through a first one-way conductive element;

a second switching element that recovers the charge from the electrode of the display panel to said recovering capacitor;

a second one-way conductive element provided between said second switching element and said interconnector; and

a capacitor connected in parallel with said second switching element that is operable to reduce a resonance frequency of an LC resonance resulting from a parasitic capacitance of said second switching element and an inductance component of said interconnector, wherein the charge is recovered to said recovering capacitor from the electrode of the display panel through said second switching element and said interconnector, wherein said capacitor has a capacitance of approximately five to ten times as much as that of the parasitic capacitance of said second switching element.

19 (currently amended). A driving circuit that drives a display panel having an electrode, comprising:

a first switching element that supplies a charge from a recovering capacitor to the electrode of the display panel;

an interconnector connected to said first switching element through a first one-way conductive element;

a second switching element that recovers the charge from the electrode of the display panel to said recovering capacitor;

a second one-way conductive element provided between said second switching element and said interconnector; and

a first capacitor connected in parallel with said first switching element that is operable to reduce a resonance frequency of an LC resonance resulting from a parasitic capacitance of said first switching element and an inductance component of said interconnector, wherein said first capacitor has a capacitance of approximately five to ten times as much as that of the parasitic capacitance of said first switching element; and

a second capacitor connected in parallel with said second switching element that is operable to reduce a resonance frequency of an LC resonance resulting from a parasitic capacitance of said second switching element and an inductance component of said interconnector, wherein the charge is supplied to the electrode of the display panel from said recovering capacitor through said first switching element and said interconnector, and the charge is recovered to said recovering capacitor from the electrode of the display panel through said second switching element and said interconnector, wherein said second capacitor has a capacitance of approximately five to ten times as much as that of the parasitic capacitance of said second switching element.

20 (currently amended). A driving circuit that drives a display panel having an electrode, comprising:

a first transistor that supplies a charge from a recovering capacitor to the electrode of the display panel;

an interconnector connected to said first transistor through a first diode;

a second transistor that recovers the charge from the electrode of the display panel to said recovering capacitor;

a second diode provided between said second transistor and said interconnector;
and

a capacitor connected in parallel with a source and a drain of said first transistor that is operable to reduce a resonance frequency of an LC resonance resulting from a parasitic capacitance of said first transistor and an inductance component of said interconnector, wherein the charge is supplied to the electrode of the display panel from said recovering capacitor through said first transistor and said interconnector, wherein said capacitor has a capacitance of approximately five to ten times as much as that of the parasitic capacitance of said first transistor.

21 (currently amended). A driving circuit that drives a display panel having an electrode, comprising:

a first transistor that supplies a charge from a recovering capacitor to the electrode of the display panel;

an interconnector connected to said first transistor through a first diode;
a second transistor that recovers the charge from the electrode of the display panel to said recovering capacitor;
a second diode provided between said second transistor and said interconnector;
and
a capacitor connected in parallel with a source and a drain of said second transistor that is operable to reduce a resonance frequency of an LC resonance resulting from a parasitic capacitance of said second transistor and an inductance component of said interconnector, wherein the charge is recovered to said recovering capacitor from the electrode of the display panel through said second transistor and said interconnector, wherein said capacitor has a capacitance of approximately five to ten times as that of the parasitic capacitance of said second transistor.

22 (currently amended). A driving circuit that drives a display panel having an electrode, comprising:

a first transistor that supplies a charge from a recovering capacitor to the electrode of the display panel;
an interconnector connected to said first transistor through a first diode;
a second transistor that recovers the charge from the electrode of the display panel to said recovering capacitor;
a second diode provided between said second transistor and said interconnector;
and

a first capacitor connected in parallel with a source and a drain of said first transistor that is operable to reduce a resonance frequency of an LC resonance resulting from a parasitic capacitance of said first transistor and an inductance component of said interconnector, wherein said first capacitor has a capacitance of approximately five to ten times as much as that of the parasitic capacitance of said first transistor; and

a second capacitor connected in parallel with a source and a drain of said second transistor that is operable to reduce a resonance frequency of an LC resonance resulting from a parasitic capacitance of said second transistor and an inductance component of said interconnector, wherein the charge is supplied to the electrode of the display panel from said recovering capacitor through said first transistor and said interconnector, and the charge is recovered to said recovering capacitor from the electrode of the display panel through said second transistor and said interconnector, wherein said second capacitor has a capacitance of approximately five to ten times as much as that of the parasitic capacitance of said second transistor.

23 (currently amended). A display device, comprising:

a display panel having an electrode; and

a driver that drives said electrode of said display panel, said driver comprising:

a first switching element that supplies a charge from a recovering capacitor to said electrode of said display panel;

an interconnector connected to said first switching element through a first one-way conductive element;

a second switching element that recovers the charge from said electrode of said display panel to said recovering capacitor;

a second one-way conductive element provided between said second switching element and said interconnector; and

a frequency reducer connected in parallel with said first switching element that is operable to reduce a resonance frequency of an LC resonance resulting from a parasitic capacitance of said first switching element and an inductance component of said interconnector, wherein the charge is supplied to said electrode of said display panel from said recovering capacitor through said first switching element and said interconnector, wherein said frequency reducer has a capacitance of approximately five to ten times as much as that of the parasitic capacitance of said first switching element.

24 (currently amended). A display device, comprising:

a display panel having an electrode; and

a driver that drives said electrode of said display panel, said driver comprising:

a first switching element that supplies a charge from a recovering capacitor to said electrode of said display panel;

an interconnector connected to said first switching element through a first one-way conductive element;

a second switching element that recovers the charge from said electrode of said display panel to said recovering capacitor;

a second one-way conductive element provided between said second switching element and said interconnector; and

a frequency reducer connected in parallel with said second switching element that is operable to reduce a resonance frequency of an LC resonance resulting from a parasitic capacitance of said second switching element and an inductance component of said interconnector, wherein the charge is recovered to said recovering capacitor from said electrode of said display panel through said second switching element and said interconnector, wherein said frequency reducer has a capacitance of approximately five to ten times as much as that of the parasitic capacitance of said second switching element.

25 (currently amended). A display device, comprising:

a display panel having an electrode; and

a driver that drives said electrode of said display panel, said driver comprising:

a first switching element that supplies a charge from a recovering capacitor to said electrode of said display panel;

an interconnector connected to said first switching element through a first one-way conductive element;

a second switching element that recovers the charge from said electrode of said display panel to said recovering capacitor;

a second one-way conductive element provided between said second switching element and said interconnector;

a first frequency reducer connected in parallel with said first switching element that is operable to reduce a resonance frequency of an LC resonance resulting from a parasitic capacitance of said first switching element and an inductance component of said interconnector, wherein said first frequency reducer has a capacitance of approximately five to ten times as much as that of the parasitic capacitance of said first switching element; and

a second frequency reducer connected in parallel with said second switching element that is operable to reduce a resonance frequency of an LC resonance resulting from a parasitic capacitance of said second switching element and an inductance component of said interconnector, wherein the charge is supplied to said electrode of said display panel from said recovering capacitor through said first switching element and said interconnector, and the charge is recovered to said recovering capacitor from said electrode of said display panel through said second switching element and said interconnector, wherein said second frequency reducer has a capacitance of approximately five to ten times as much as that of the parasitic capacitance of said second switching element.